

**SATLINK**

USER'S MANUAL

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**WS-6935**

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## 1 GUIDE

### 1.1 Important Safety Instructions

Thank you for choosing our product. Before installation, we would like to remind you some notes, which is very important for operating safely and properly, as follows:

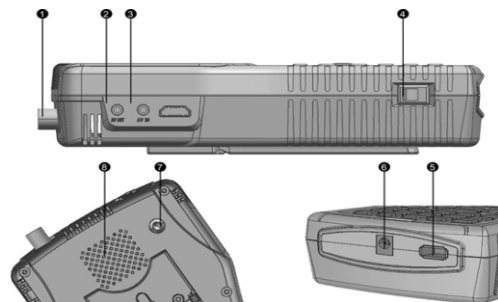
- Be sure to read this user manual before starting your operation.
- You must install the dish with correct direction and angle. If the dish is not working properly, contact your lo-cal dealer.
- When the unit is suddenly moved to a hot area from a cold area, it may cause some problems. In that case, turn off the power, and turn on again after 1-2 hours.
- Keep meter placed in clean space with sufficient ventilation.
- Do not cover the meter with or place it on a unit that emits heat.
- Clean the case by a soft cloth with a little washing liquid.
- Do not remove the cover.
- Do not let the unit exposed to extreme heat, cold or humid conditions.
- No liquids or any other materials to come inside of the unit.
- Do not use torch to exposure eyes.

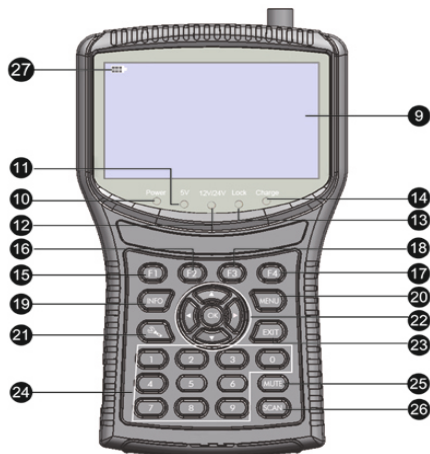
### 1.2 Unpacking

Open the package and make sure it includes all below items, if any missing, please contact the reseller for replacement.



- 1.Digital Satellite Meter
- 2.User's manual
- 3.AV cable
- 4.Car charger cable
- 5.Adaptor
- 6.Carrying case
- 7.Strap of carrying case

### 1.3 Product Overview & Illustration





NO	Description	FUNCTION
1	LNB IN	Connect to satellite antenna cable
2	AV OUT	Connect to AV port for TV
3	AV IN	Connect to AV port for meter
4	Power witch	Turn on/off meter
5	USB Port	Connect to USB memory
6	DC Slot	Connect to Adaptor Input
7	Torch LED	Night lighting
8	Speaker	Speaker Integrated

9	LCD Screen	Video display
10	Power	Power indicator light
11	5V	ANT 5V output indicator light
12	12V/24V	ANT 12V/24V output indicator light
13	LOCK	Signal lock indicator light
14	Charger (Note1)	Charger indicator light
15	F1 (Note 2)	1)Shows the Subtitle menu ; 2)TV/Radio switch
16	F2(Note 2)	1)Shows the EPG menu; 2)Audio select
17	F3(Note 2)	1)Shows the Favorite Manager menu; 2)lock beep alarm
18	F4(Note 2)	1)Shows Manager Channel menu; 2)TV system switch
19	INFO	To display channel status or various program information of current channel
20	MENU	Show the main menu on the screen or jump back to previous menu in sub-menu setting conditions
21	 (note 2)	1)Control the torch on/off; 2)TV screen select
22	NEVIGATION KEY	Volume Control or move cursor, channel or change, confirm etc
23	EXIT	Escape from present menu and save the settings
24	0-9	Select channels or enter programming
25	MUTE	Enable or disable the audio output
26	SCAN	'Quick Search' menu shortcut key
27	 (Note 3)	When power on the meter , displays the battery level

**Note1:**When the adapter insert dc slot,Charging indicator scintillation three times, then the indicator is often bright, when the batteries charged sufficient, the charge indicator is going out.

**Note2:**Keeping the key over 1 s,it will be the (2)function, otherwise is the (1)function.

**Note3:**When the battery is on power failure,a voice alarm, please a timely charge, do not continue to be used to avoid the internal batteryruns out and shorten the usage time.

## 1.4 INSTALLATION OF METER



## 2. OUTLINE

- 4.3 Inch High Definition TFT LCD Screen
- Fully MPEG-2/MPEG4 compliant
- MPEG-2 / H.264 Hardware decoding
- Digital meter for signal strength and quality
- Supports scan of Auto,Manual.
- Sound and Light Alarm for Locking Signal
- Speaker Integrated
- Support both AV out and AV in
- Ant short protect
- PAL-NTSC auto-conversion
- 8.4V/3000mAh Lion Battery Included
- Software upgrade via USB port
- Easy to carry

## 3. THE MENU OSD INSTRUCTION

If you have installed and connected the cables to the meter, pressing MENU key to display the Main Menu.

- Quick Search
- req-Checking
- Multimedia
- System Setup

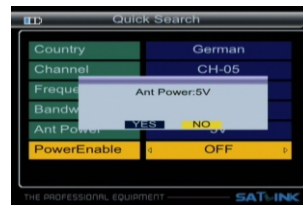


Press the keys of ▲▼◀▶ to move the cursor up or down in the menu interface, then use OK key to confirm a selection.

### 3.1 Quick Search

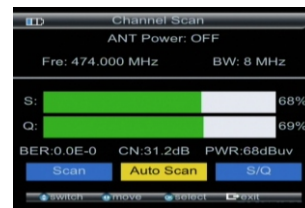


- 3.1.1 Country :** Press ◀▶ key to select the default channels of the country.
- 3.1.2 Channel:** Press ◀▶ key to select the channel.
- 3.1.3 Frequency:** Frequency of the current channel, Input the value by using the numeric keys.
- 3.1.4 Bandwidth:** Press ◀▶ key to select the bandwidth. The type of bandwidth has 6M/7M/8M.
- 3.1.5 ANT Power:** Press ◀▶ key to choice Ant voltage output, it has 5V / 12 V / 24 V options.
- 3.1.6 PowerEnable:** Press ◀▶ key to Enable of ANT voltage output, then select OK, the ANT Power output will active.



**Warning:** you must choose the correct voltage in ANT Power, otherwise it will damage the external amplifier.

- 3.1.0.1 Quick Search:** In the satellite search interface, pressing OK key will enter the quick search.

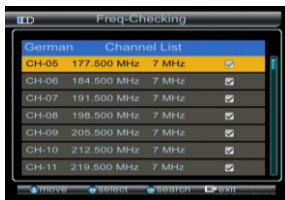


Press BEEP key to open locking sound.  
 Press ▲▼ key to change the channel  
 Press ◀▶ key to select Scan, Auto Scan, S/Q;  
 press OK key enter function.

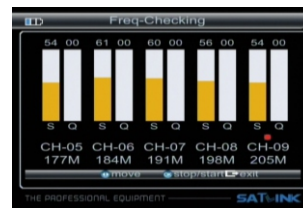
- **Scan** : According to the current channel, search program
- **S/Q**: Enlarge showing of the signal strength
- **Auto** : According to the channels of country, search program. and quality.



**3.2 Freq-Checking:** In the Freq-checking, we can make signal test for Multi-Channel.  
 Press ◀▶ key to select the current channel.  
 Press ▲▼ key to change channel.  
 Press OK key to enter next menu for signal testing



**3.2.1 Signal Test:** Check signals of five channel, in turn.  
 Press ◀▶ key to switch next/Previous channels  
 Press OK key stop/start check.



**3.3 Multimedia:** The meter integrates USB port, which support the following device:

- USB portable harddisc
- USB memory

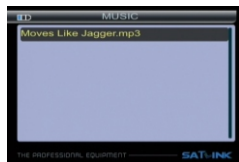


It will appear “storage device is inserted ” when USB device is inserted to the USB port. The usb device has been recognized and can be used. Otherwise will appear “USB Device Not Found”.

**USB features:**

Multi system format support:Such as, FAT16, FAT32 and NTFS format.

Multifile format support:wma, mp3,mp4,avi,jpg,jpeg, bmp,img etc

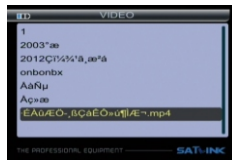
**3.3.1 MUSIC**

Press ▲▼ key to select song, then press OK key to play.

Press F1/F2 key to control volume.

Press ◀▶ key to move the cursor, then press OK key to operate function.

There are Play/Pause, Previous song, Next song, Stop.

**3.3.2 VIDEO**

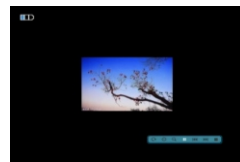
Press ▲▼ key to select the video file, then press OK key to play.

Press ◀▶ key to control volume.

Press MENU key to appear playing bar.

Press ◀▶ key to move the cursor, that the tips will appear on upper right of screen, then press OK key to operate function.

There are Backward, Forward, Play/Pause, Previous file, Next file, Stop.

**3.3.3 PICTURE**

Press ▲▼ key to select picture, then press OK key to play.

Press MENU key to appear playing bar.

Press ◀▶ key to move the cursor, then press OK key to operate function.

There are Rotate, Delay set, ZOOM, Play/Pause, Previous Picture, Next picture, Stop.

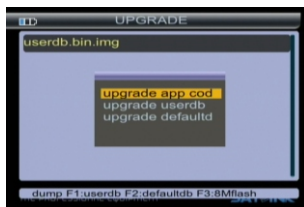
**3.3.4 Upgrade**

Press F1 key to dump user database.

Press F2 key to dump default database.

Press F3 key to dump flash.

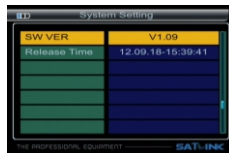
Press ▲▼ key to select update file,  
Then press OK key to select upgrade part:  
App code;user database; default database.



#### EXP:

If you want to update main code, please select the main code file liking BT\_CP09\_V1\_39\_SA~N.img, the size of file about a few Mbytes, then select upgrade app code.

### 3.4 System Setting



**3.4.1 Language:** Press ◀▶ key to select language.

**3.4.2 Screen format:** Press ◀▶ key to select Screen format: 4:3PS/4:3LB/16:9PS/16:9LB.

**3.4.3 Light setting:** Press ◀▶ key to control delay of key light: off/5s/10s/20s.

**3.4.4 Factory reset:** The factory default allows user to restore the factory-reset values, when you press OK key, the Warning window will appear, if you select yes, the system setup will be reset to the default values.

**Warning:** On selecting factory default you will lost all of data and information, which was previous installed.

**3.4.5 Time Zone:** Press ◀▶ key to set Time Zone.

**3.4.6 Channel reset:** The channel reset allows user to restore the default channel, when you press OK key, the Warning window will appear, if you select yes, the system setup will be restored to the default channels.

**3.4.7 Mode, SW VER, Release Time:** You can look into information of hardware and software.

## 4. Channel

### 4.1 Manager Channel

Press F4 key into the manager channel interface



#### 4.1.1 RenameChannel

1. Press F1 key. You will notice the Keyboard menu in screen.
2. Press the arrow keys to input channel name.
3. Press F3 key to switch caps lock; press F1 key to backspace; press F4 key to complete edit.
4. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



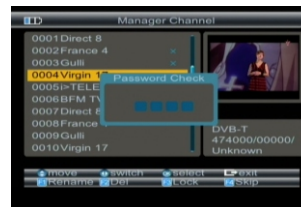
#### 4.1.2 Del Channel

1. Press ▲▼ key to select TV.
2. Press F2 key, the TV will be marked with the symbol "X", marking all channels that you need to delete.
3. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.1.3 LockChannel

1. Press ▲▼ key to select TV.
2. Press F3 key, then input "0,0,0,0", then TV will be marked with the symbol lock, marking all TV that you need to lock.
3. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.1.4 Skip Channel

1. Press ▲▼ key to select TV.
2. Press F4 key, the TV will be marked with the symbol "↑ ↓".
3. Press ▲▼ key to skip TV, Press F4/OK key to confirm, skip all TV that you need.
4. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.2 Favorite Manager

Press F3 key into the manager channel sort interface, then press menu key to return favorite manager.



#### 4.2.1 Favorite set

Press ▲▼ key to select TV.

Press OK key, the TV will be marked with the symbol '♥'.

Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



**4.2.2 Rename:** Please make reference to rename of "4.1.1 Rename channel".

#### 4.2.3 Sort order

1. Press F2 key, you will notice the sub-menu with sort order in screen.
2. Select the desired one of the four sort order in screen and press OK.
3. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.2.4 Favorite Sort

Press F3 key, you will notice the sub-menu with sort order in screen.

Press ▲▼ key to select sort.

Favorite setting will into this sort.

Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.2.5 Sat sort

1. Press F4 key, you will notice the sub-menu with sort order in screen.

2. Press ▲▼ key to select satellite sort, the channel list will be changed.

3. Press MENU key, the Warning window will appear, if you select yes, the modification will be saved.



#### 4.3 EPG

Press the F2 key to show EPG menu.

The Guide supplies information such as program listing, starting and ending items for all available programs.

1. Press ▲▼ key to change current channel.

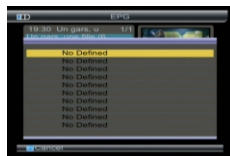
2. Press ◀▶ keys to view the information in 7 days.

3. Press F2 key to view the booked items data.

In the booked items menu, press F1 key to cancel the current item, press menu to return.

Press F1 key to items selecting.





1. Press F1 key, return to channel select.
2. Press ▲▼, key to select item.
3. Press F4 key to change detail information page.
4. Press F2 key to book the current item, and enter the booked items menu.

#### 4.4 Program List

If there are some programs stored in the meter, user can press OK to enter the menu.

Press ▲▼ and ◀▶ key to change current channel.  
Press OK key to select channel, then return.



#### 4.4.1 Sort KEY

Press F1 key to sort channel  
Please make reference to "4.2.3 Sort order".

#### 4.4.2 Multi key

Press F2 key to select channel source  
Please make reference to "4.2.5 Sat sort".

#### 4.2.3 Fav key

Press F3 key to select favorite channel  
Please make reference to "4.2.4 Favorite Sort".

#### 4.5 Subtitle

1. Press F1 key, you will notice the sub-menu with sort order in screen.
2. Press ▲▼ key to change subtitle.
3. Press OK key to confirm.



## 5 Technical Specification

TRANSMISSION STANDARDS	
DVB-T, MPEG-2,MPEG-4,H.264	
SATELLITE INPUT/DEMODULATION	
Connector Type	F Type Female
Input Frequency	46 to 862 MHz
Input impedance	75 ohms
Band width	6M/7M/8M
ANT Power	5V<150mA 12V/24V<300mA,
Demodulation Type	COFDM :QPSK,16QAM,64QAM
LCD FEATURES	
LCD Type	TFT TRANSMISSIVE
Number of Dots	480(RGB) x272
Active area (WxH)	95.04x53.86 mm <sup>2</sup>
AV output interface	
Connector Type	3.5 mm Jack
Video Output	CVBS,
Audio output	Stereo Audio L/R output
AV input interface	
Connector Type	3.5 mm Jack
Video input	CVBS,
Audio input	Stereo Audio L/R input
AUDIO/VIDEO PROCESSING	
Video decompression	MPEG-2 MP@HL, MPEG-1 Decoding, MPEG-4 ASP@L5 HD resolution, H.264 MP&HP@L4,HW JPEG decoding

Resolving rate	PAL-25 frame@720*576,NTSC-30 frame@720*480,
Signal compatibility	Support conversion for different video formats
Video Format	4:3,16:9,By Pan & Scan and Letter Box conversion
Audio decompression	MPEG-1 Layer I/II , MPEG-2 Layer I/II,
Audio output mode	Stereo, Mono,R/L
DATA SERVICE PORT	
Connector	USB
Data protocol	USB2.0 interface
File management system	NTFS,FAT32,FAT16
file format	wma,mp3,mp4,avi,jpg,jpeg,bmp,img
MICROPROCESSOR	
Microprocessor	Amlogic
Clock Frequency	180MHz
SDRAM Memory	512Mbit
Power SUPPLY	
Li_Ion Battery	8.4V/3000mAh
Adapter	OUTPUT :DC12V/1.5A, INTUPT :100-240VAC 50/60Hz
Power consumption	Max. 10W
PHYSICAL CHARACERSTICS	
Size (W x D x H)	205x125x45(mm <sup>3</sup> )
Net Weight	0.66KG

## 6 Trouble Shooting

Problem	Possible Causes	What To Do
No display light up	Power switch is not on Run out of batteries	Check to make sure power on. Even on adapter
No sound or picture, but the front panel power light is ON.	AV IN jack insert, but no video input	Pull out AV IN cable
No sound or picture	The satellite dish is not pointing at the satellite.	Adjust the dish. Check the Signal Level in the Antenna Setup Menu
Bad picture /Blocking Error	No signal or weak signal	Check the cable connections of antenna and meter Adjustment direction of antenna.
	The satellite dish in not pointing at the satellite	Adjust the dish.
	Signal is too strong	Connect a signal attenuator to the antenna, or don't use antenna
	Antenna impedance mismatch	Change a mismatch antenna
AV out No picture (Video)	The system is connected by SCART cable and TV is not in AV mode.	Check the UHF channel, fixed in your system and turn the UHF properly.
The key is not working	Out of battery	Even on adapter
	Key blocks	make sure no blocks between the front panel

**Note:** If you still cannot resolve the problem with the above references. Please contact the local dealer or their after-sales service center.